<110> KAMINSKI, Joseph

<120> TRANSPOSON-BASED VECTORS AND METHODS OF
  NUCLEIC ACID INTEGRATION

<130> 40000212-0027-002

<140> US 10/521,936
<141> 2005-01-24

<150> PCT/US03/23090
<151> 2003-07-24

<150> US 60/398,628
<151> 2002-07-24

<160> 14

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 1
tccggccgga accggcttt   19

<210> 2
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 2
cgggatccca cctatggaag gaagatcaga ttt   33

<210> 3
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 3
agattactcg agtcaaagtg ttttgtatga tctcg   35

```
<210> 4
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 4
aagatctgat ccgtcgac                                                18

<210> 5
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 5
cgggatccca cctatgaatt atggcgtgga gaa                               33

<210> 6
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 6
agattactcg agtcagttgt acagctgcaa tccca                             35

<210> 7
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 7
ggaagccctg caaagtaaa                                               19

<210> 8
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer

<400> 8
ttctccgaat tcatggaagt caacaaaaag c                                 31

<210> 9
<211> 31
```

<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer

<400> 9
tccttcgtta acttcgtact caatagttcc t   31

<210> 10
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer

<400> 10
tccttcgtta accggaaaac gccgctgc   28

<210> 11
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer

<400> 11
aagaatgcgg ccgcgcagca aaatcagagg ta   32

<210> 12
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer

<400> 12
attaataagc ttttagattt caattttgtc c   31

<210> 13
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 13
tgcgggtgcg   10

<210> 14
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 14
ataacttcgt atgcatatgc tatacgaagt tat   33